

Fig. 1 Schematic Representation of the MOG Proteins

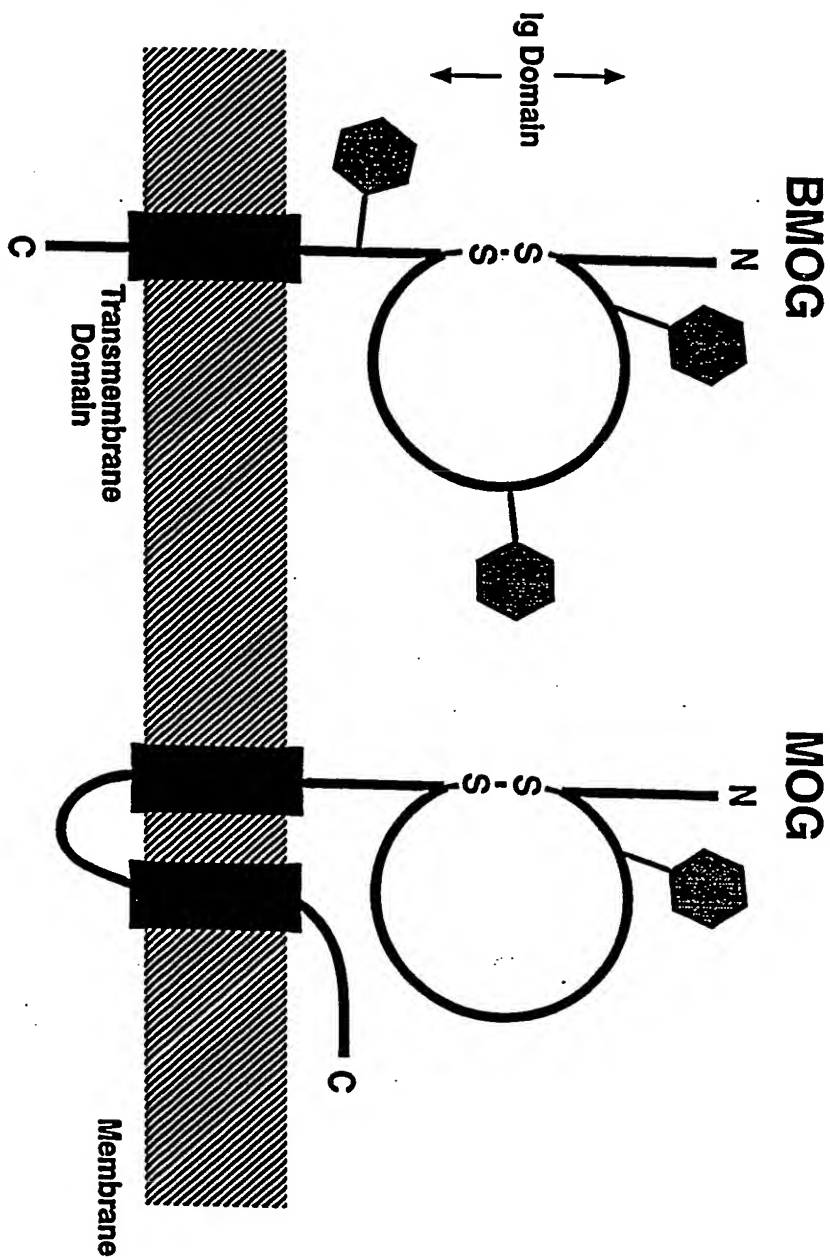


FIG. 1

EXPRESS MAIL
EV270263485US

Fig.2 Human BMOG Protein Structure

MAMMLLLIMVHPGSCALWVSQPEIRTEGSSAFLPSTFNASQGRLAIGSVTWERDEV
 10 20 30 40 50 60
 PGKEVRNGTPEFRGRLLAPLASSRFLHDHQAEHLHIRDVGRGHDAITYGVELGLGVGTENG
 70 80 90 100 110 120
 TRLVEKEHPQLGAGTYLLLRAGEYAVSTLSVAVGSTVYYHGK...
 130 140 150 160
 ..CHCHMGTHCHSSDGPGRVTPEPRCP
 ..YAKSTLSGFPQL
 ..CLTWKGPRROLPAVVPAPLPPECGSSAHLIPVPEG
 170 180 190

FIG. 2

Fig.3
Alignment of the First Extracellular Ig Domain of BMOG, MOG, Butyrophilin, B-G and B7

hu-1C7	MAMMLLLILIMVHPGSCAL-----WVSOPPEIRTLGSSAFLPC-----SFWASQGR
hu-MOG	MASLSRPSLPSCLCSFLLILLQLVSSSYAGQFRVIGPRHPITRALVGDVELPCRI--SPGRNATG
rat-MOG	MAGVWSLSLPSCLLSILLIL--QLSRSYAGQFRVIGPRHPITRALVGDDELPCRI--SPGRNATG
mo-MOG	MACLMSFSWPSCFLLSILLILLQLSCSYAGQFRVIGPRHPITRALVGDDELPCRI--SPGRNATG
ch B-G	MAFTSGCQNPSTFLPWRTLLPYLVALHLQPSAQITVVAPSLRYT---ALVGQDVVLRCHL--SPCKDVEN
hu-Bu	MASSLAFLILNFHVSILLVQLLTPC---SAQFSVLGSPGPILAMVGEDADLPCHL--FPTMSAET
bov-Bu	MAVFPNSCLAGCLLIFILLQPKLD---SAPFDVIGPPEPILAVGEDAELPCRL--SPNVSAKG
hu-B7-1	MGHTRRQGTSPSKCPYINFFQLVLAGLSHFQSGVTHVTKEVKEVATLSQGH-NVSYVEELAQ
hu-B7-2	MGLSNILFVMAFLLSGAAPLKIQAFFNETADLPQGFANSONQSLSE
hu-1C7	LAIGSVTWER-DEVVPKEVRNGT-----PEFRGLAPLASSRFLHDQAEHLIRDVRGHDASTVYC
hu-MOG	MEVG---WYRPPFSRVHLRYNGKDQDQDAQPEYRGR-TELLKDAIGEGKYT-LRIPNVRFSDGEGTYC
rat-MOG	MEVG---WYRSPFSRVHLRYNGKDQDAQDAQPEYRGR-TELLKBSIGEGKYA-LRIQNVRFSDGEGTYC
mo-MOG	MEVG---WYRSPFSRVHLRYNGKDQDAQDAQPEYRGR-TELLKETISEGKYT-LRIQNVRFSDGEGTYC
ch B-G	SDIR---WIQRRSRLVHHRNGVDL--GOMEYKGR-TELLRDGISDGNLD-LRITAVTSSDSGSYS
hu-Bu	MELK---WVSSSLRQVNVNVAADKEVEDRQSAFYRGR-TSILRDGITAGKAA-LRIHNVYASDSGQLEEC
bov-Bu	MELR---WFEREKVSPAVFVSREGOEQEGEEMAEYRGR-VSLVEDHITAGSYA-VRIQEVKASDGEYRC
hu-B7-1	TRIV---WQ-KERKMLVTMM-SGDMM---TWPEYKNR-TIF--DITN---NLSIVILALRPSDEGTYEC
hu-B7-2	LIVF---WQ-DQENLVINEVYLKKEKFDVSHSKYMR-TSF--D-SD---SWTLRLHNLQIKDKGLVQC
hu-1C7	RVELGLGVGTNGTRLVVEKEHPQLGAGTYLLLRAGEYAVSELSTAVGSTVYX
hu-MOG	FFRDHSYQEEAAME-LKVEDPEYMWSPGVNLAVALPVLLOTTWGLNVLCL
rat-MOG	FFRDHSYQEEAAME-LKVEDPEYMWINGVLAVALVEMLLLOVSVGINVELFL
mo-MOG	FFRDHSYQEEAAME-LKVEDPEYMWNRGVLTALVPTLLLOVSVGINVELFL
hu-Bu	(second Ig domain)
bov-Bu	(second Ig domain)
hu-B7-1	(second Ig domain)
hu-B7-2	(second Ig domain)

FIG. 3

FIG. 4

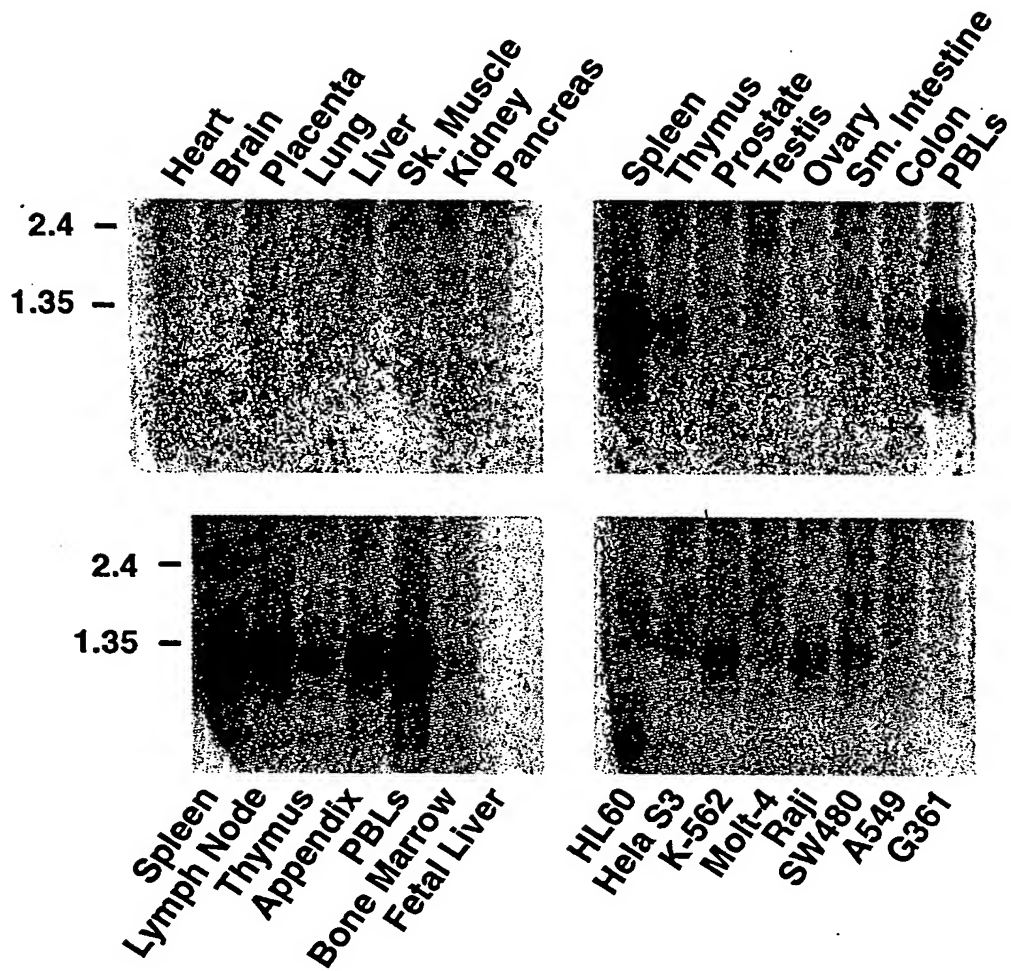


FIG. 5

